

FIELD ENGINEERING SUPPORT SOUTHBORO

# Technical Information Bulletin

# TIB

DATE: 19 APRIL 1974  
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SUBJECT: MISSING CAPACITOR

NUMBER: S1005  
CATEGORY: MEMORIES  
MODEL: 8300, 8301, 8302,  
AND 8117

On the 1200 16K Memory and all Nova II Memories (4K, 8K, and 16K), a de-coupling capacitor for -5 volts has inadvertently never been installed. It is strongly recommended that this capacitor be installed when encountering any of these memories.

## Symptoms:

When running a Memory Test, turning the Teletype off/on causes a Memory failure. Secondary method is a visual inspection. Holding board by connector, look for a 6.8 MF 35V cap between -5 volt etch and ground. To the right of the sense amp for bit 14 and 15 is a crosshatch of etches. This is the ground connection for the cap. One of the etches between this crosshatch and the sense amp is -5 volts. This varies with each memory and also with Rev. level so more precise instructions cannot be given. (See ECO 2507 for precise location.)

## Solution:

Install 6.8 ufd 35 tant capacitor (DG Part No. 103-000-002) to right of sense amp for bits 14 and 15 between -5 volts etch and ground etch. Use existing feedthru holes. ECO 2507 is generated to correct this problem.

Thanks to Parker Sutherland of the New England Depot for finding this problem and bringing this to attention.

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